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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/920,921	08/03/2001	Toshio Ootani	HITA.0084	7157

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EXAMINER
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HUYNH, BA

ART UNIT	PAPER NUMBER
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2173

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DATE MAILED: 03/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/920,921

Applicant(s)

OOTANI ET AL.

Examiner

Ba Huynh

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 03 August 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 2.

- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

BA HUYNH  
PRIMARY EXAMINER

## DETAILED ACTION

### *Claim Objections*

1. Claim 20 is objected to because of the following informalities: The phrase “components(s)” appears to be a typographical error. Appropriate correction is required.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-20 are rejected under 35 U.S.C. 102(b) as being anticipated by US patent #5,812,750 (Dev et al).

- As for claims 1, 13, 19: Dev et al teaches a computer implemented method and corresponding system for visualizing from network topology data multi-layer network schematics, comprising the steps/means:

Visualization control means10;

Partial domain management units prepared for each of a plurality of partial domains (city model, floor model, room model, device model...4:12-35; 4:55 – 6; 5:22-40)

defined in the topology; each of the partial domain management units includes

predefined components to be displayed (e.g., floor -> room -> devices and cables.

See figures 7-8);

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A user may drill-down within a selected partial domain (i.e., model) to view a next level of detail view by clicking on a location of a display (12:42-58; figs 1, 7-8).

- As for claims 2, 14: A view manager saves icon screen placement (display coordinates) and the associated model handler (which defines the model size setting). See 5:22-40;13:40-52.
- As for claims 3, 15: Since the display of other models depends on the coordinates of the selected icon, coordinates of other models are automatically modified depended on the coordinates of the selected icon (e.g., coordinates of other models are modified respectively depended on the selected icon 312).
- As for claims 4, 5: As set forth in the rejection of claim 3, coordinates of other models shifted vertically or horizontally depended on the coordinates of the selected icon.
- As for claims 6, 7, 16: Each model map shows a relative coordinates at which a component is to be visualized (figs 7A, B, C).
- As for claims 8, 17: A device personality module 22 contains a collection of data modules which describe device to device connection (4:15-30; 5:42-62; 6:56-58; figs 8A, B).
- As for claim 9: A model can be a connection line between two devices (5:31-40; 6:56-58).
- As for claims 10, 18: A model relations defines the inter-relationship between models (5:45-62).

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- As for claim 11: A network component may be displayed with distinguish visual characteristic indicating the status of the component (12:61-67). The user can drill-down the models to locate a troubled device.
- As for claim 12: The visual characteristic includes different background color (12:61-67).
- As for claims 19, 20: Dev et al teaches a computer implemented method and corresponding system for visualizing from network topology data multi-layer network schematics, comprising the steps/means:  
  
visualization control means10;  
  
partial domain management units prepared for each of a plurality of partial domains (city model, floor model, room model, device model...4:12-35; 4:55 – 6; 5:22-40) defined in the topology; each of the partial domain management units includes predefined components to be displayed (e.g., floor -> room -> devices and cables. See figures 7-8);
- a user may drill-down within a selected partial domain (i.e., model) to view a next level of detail view by clicking on a location of a display (12:42-58; figs 1, 7-8). A model can be a connection line between two devices (5:31-40; 6:56-58). A device personality module 22 contains a collection of data modules which describe device to device connection (4:15-30; 5:42-62; 6:56-58; figs 8A, B).

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4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ba Huynh whose telephone number is (703) 305-9794. The examiner can normally be reached on Mon - Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cabeca can be reached on (703) 308-3116. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ba Huynh  
Primary Examiner  
AU 2173  
3/20/04

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PRIMARY EXAMINER